

# Sierra County



**Healthcare Information**

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# DEMOGRAPHICS

## **Population**

Trends

Age

Race/Ethnicity

Projection

## **Education**

Attainment

## **Employment**

Major Employment Sectors

Unemployment

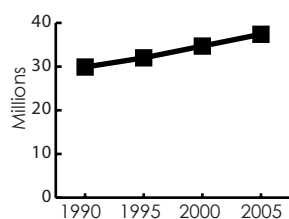
# Sierra County Demographics

2

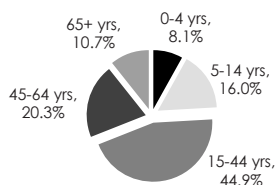


## California

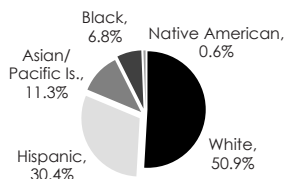
### Population Trends



### Age 1999

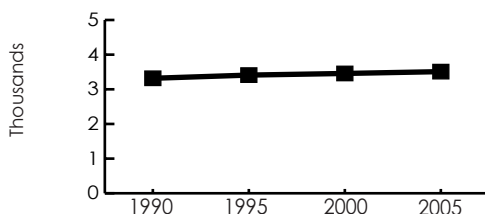


### Race/Ethnicity 1999



## POPULATION

### County Trends

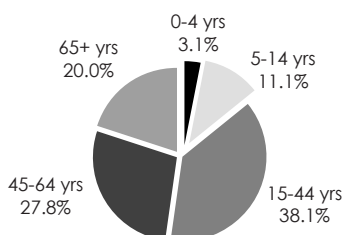


### Total

1990	3,318
1995	3,410
2000	3,457
2005	3,510

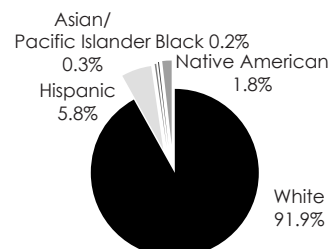
	1995	1996	1997	1998	1999
Births +	23	16	12	14	12
Deaths -	28	23	37	35	39
Emigration/Immigration	-9	+18	+16	+45	+57
<b>Total Change</b>	<b>-9</b>	<b>11</b>	<b>-9</b>	<b>24</b>	<b>30</b>

### Age 1999



Age	Number
0-4 yrs	107
5-14 yrs	379
15-44 yrs	1,305
45-64 yrs	951
65+ yrs	685
<b>Total</b>	<b>3,427</b>

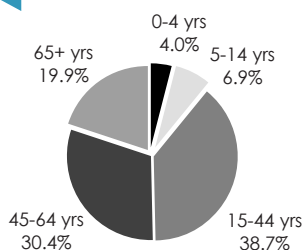
### Race/Ethnicity 1999



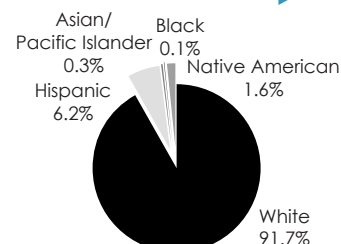
Race	Number
White	3,151
Hispanic	200
Asian/Pacific Is.	10
Black	6
Native American	60
<b>Total</b>	<b>3,427</b>

### Projection 2005

#### Age

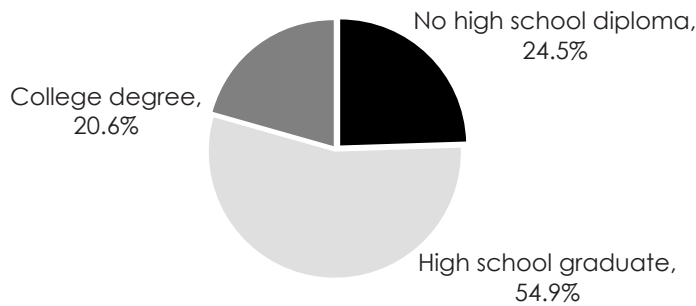


#### Race/Ethnicity



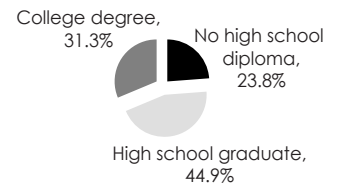
## Education

### Educational Attainment (based on 1990 census)



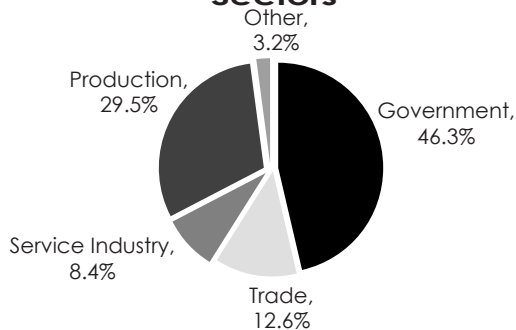
### California

### Educational Attainment (based on 1990 Census)



## Employment Sectors

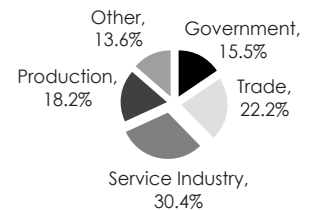
### Major Employment Sectors



### Major Employment Sectors (1999) Number

Major Employment Sectors (1999)	Number
Government	440
Trade	120
Service Industry	80
Production	28
Other	30
<b>Total</b>	<b>950</b>

### Employment Sectors 1999

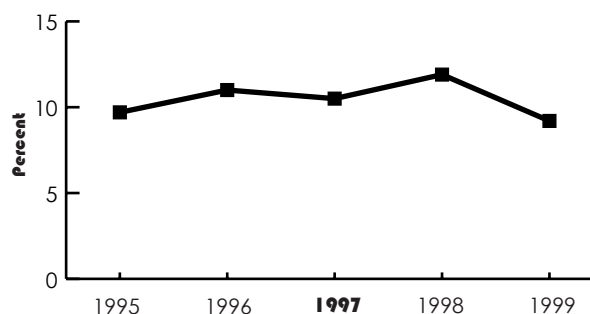


## Unemployment

### Employment Statistics

	Labor Force	Unemployment Rate
1995	1,710	9.7%
1996	1,730	11.0%
1997	1,730	10.5%
1998	1,640	11.9%
1999	1,640	9.2%

### Unemployment Rate



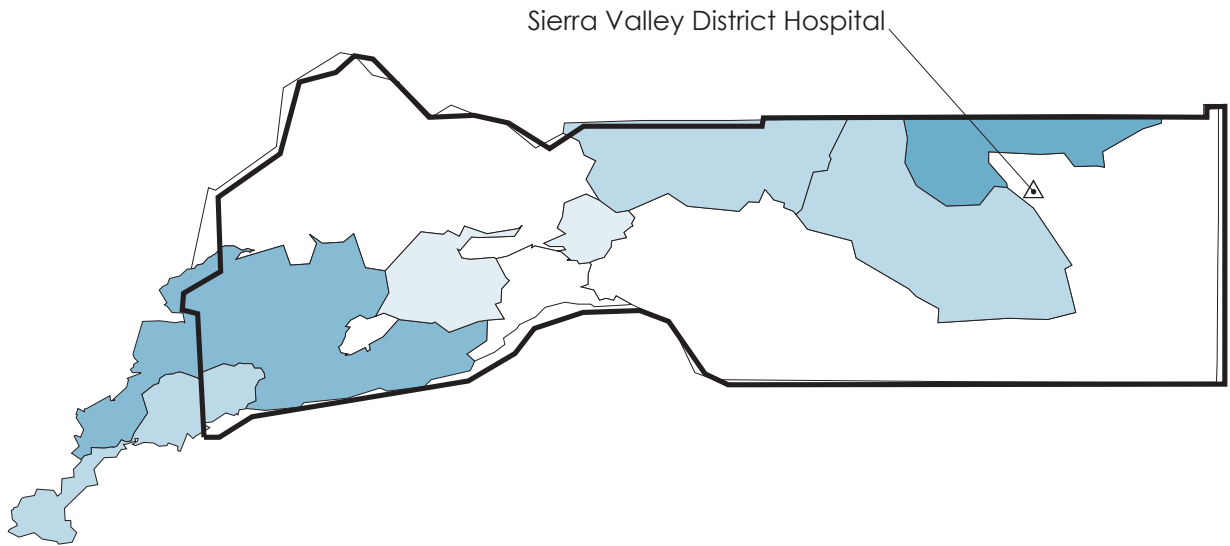
### Unemployment Rate



# Sierra County

## Population & Healthcare Resources

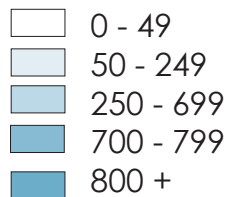
4



— Sierra County Line

Population by ZIP Code

Hospital Site/ER Level



△ Standby



# HEALTH CARE RESOURCES

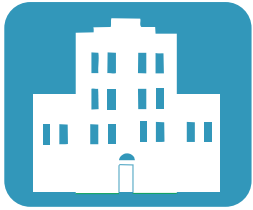
**General Acute Care Hospitals**

**Long-term Care Facilities**

**Clinics**

**Home Health Agencies**

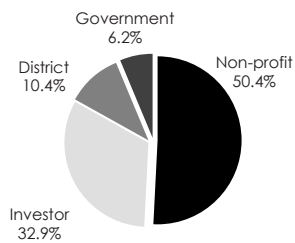
**Hospices**



## FINANCIAL & UTILIZATION INFORMATION GENERAL ACUTE CARE HOSPITALS 1999

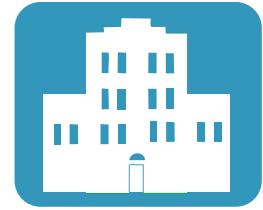
There is only one hospital in Sierra County. It is considered a small/rural hospital and provides basic emergency services.

**California  
Type of Control,  
1999**



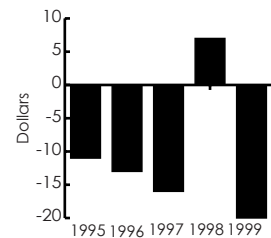


## FINANCIAL & UTILIZATION INFORMATION GENERAL ACUTE CARE HOSPITALS 1999

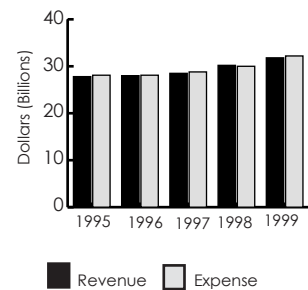


### California

**Net Income from Operations  
Comparable Hospitals**



**Operating Revenue/Expense  
Comparable Hospitals**



#### Sierra Valley District Hospital

\$3,845,491  
1,232,546  
2,612,945  
22,056  
2,635,001  
3,026,179  
(391,178)  
99,861  
0  
0  
0  
**(\$291,317)**

#### Income Statement

Gross Patient Revenue  
-Deductions from Revenue  
Net Patient Revenue  
+Other Operating Revenue  
Total Operating Revenue  
-Operating Expenses  
Net from Operations  
+Non-operating Revenue  
-Non-operating Expenses  
-Income Taxes  
-Extraordinary Items  
**Net Income**

#### Per Adjusted Day

\$241  
77  
164  
1  
165  
190  
(25)  
6  
0  
0  
0  
**(\$18)**

Gross Patient Revenue  
-Deductions from Revenue  
Net Patient Revenue  
+Other Operating Revenue  
Total Operating Revenue  
-Operating Expenses  
Net from Operations  
+Non-operating Revenue  
-Non-operating Expenses  
-Income Taxes  
-Extraordinary Items  
**Net Income**

#### Resource Utilization

District  
40  
11,475  
84  
78.6%  
6.053  
3.0  
Standby  
2  
Small/Rural

Ownership  
Available Beds  
Patient Days  
Discharges  
Occupancy Rate  
Outpatient Visits  
Average Length of Stay  
Emergency Service  
# of ER Stations  
Specialty/Teaching/Rural

#### Footnotes:

Per Adjusted Day: This statistic adjusts the number of patient days to compensate for outpatient services.

The financial data on this page reflect disproportionate share payments transferred to a related public entity.

\*Excludes data from State, Kaiser, PHF, Shriner, and other non-comparable hospitals.

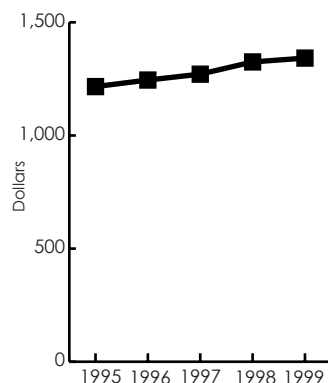
Note that columns may not add to subtotals due to rounding.

# Sierra County Healthcare Resources

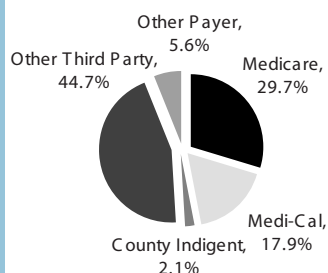
## ACUTE CARE HOSPITALS

### California

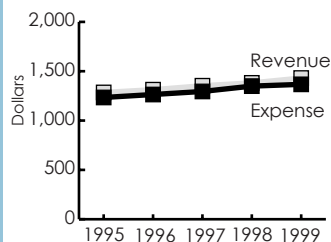
**Net Patient Revenue per Adjusted Day**



**Net Patient Revenue by Payer 1999**

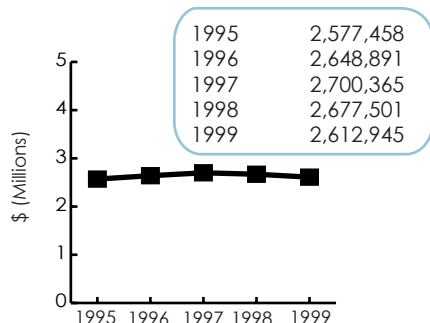


**Net Inpatient Revenue/Expense per Day**

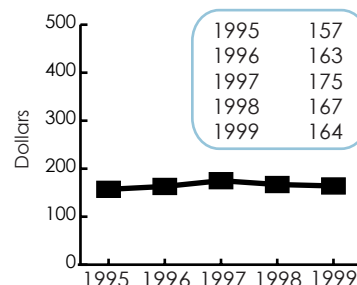


### Net Patient Revenue

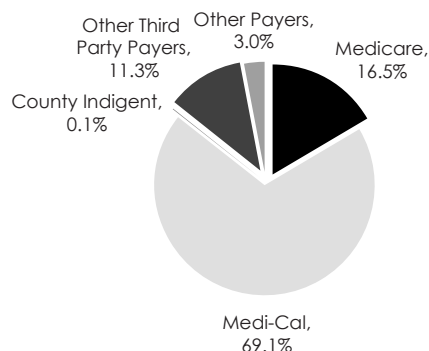
**Net Patient Revenue**



**Net Patient Revenue per Adjusted Day**

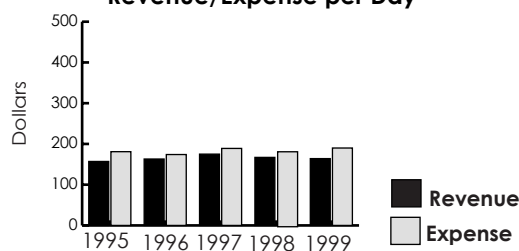


### Net Patient Revenue by Payer 1999

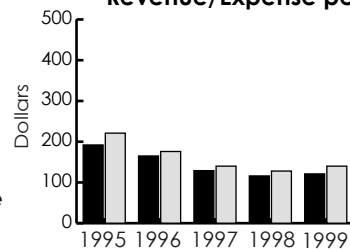


### Net Patient Revenue/Expense

**Net Inpatient Revenue/Expense per Day**



**Net Outpatient Revenue/Expense per Visit**

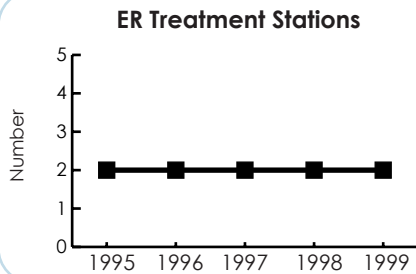


	Net Inpatient Revenue per Day	Net Inpatient Expense per Day	Net Outpatient Revenue per Visit	Net Outpatient Expense per Visit
1995	\$157	\$181	\$192	\$221
1996	163	174	165	176
1997	175	189	129	140
1998	167	184	116	128
1999	164	190	121	140

## Emergency Room Services

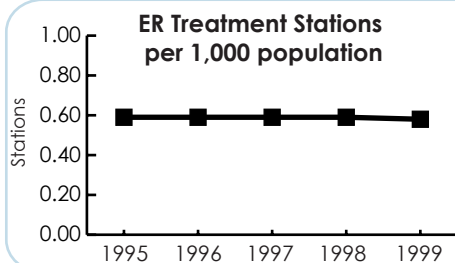


### California

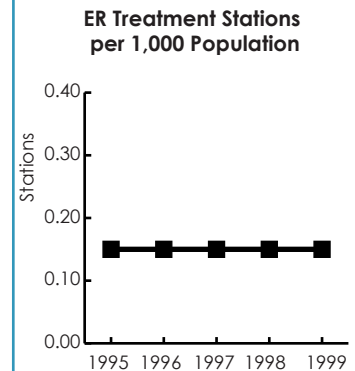


#### Hospitals with Emergency Services by Type, 1999:

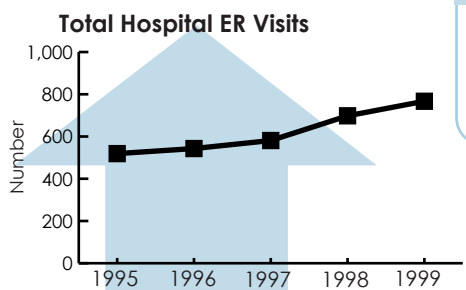
Comprehensive:	0
Basic:	0
Standby:	1
Trauma:	0



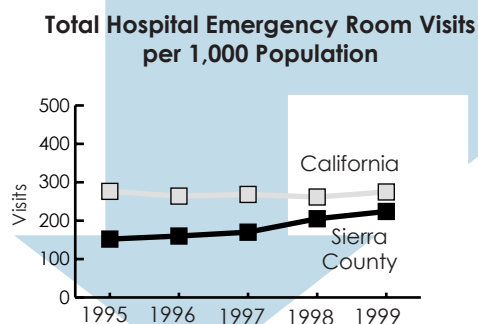
	ER Treatment Stations	ER Treatment Stations per 1,000 Pop.
1995	2	0.59
1996	2	0.59
1997	2	0.59
1998	2	0.59
1999	2	0.58



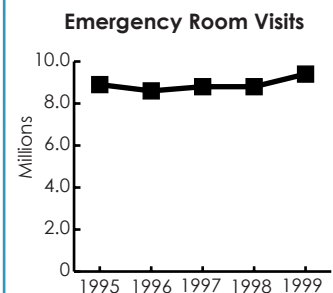
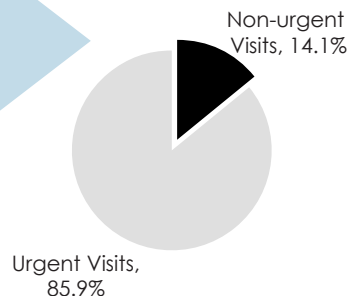
## Emergency Room Visits



	ER Visits	ER Visits per 1,000 Pop.	% of ER Visits Resulting in Admit
1995	519	152	5.4
1996	543	160	4.4
1997	581	170	7.4
1998	698	205	4.2
1999	767	224	3.1



#### ER Visits, Sierra County, 1999

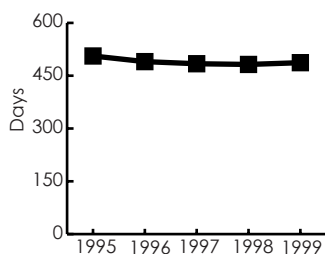


Graphs include data from comparable GAC hospitals plus Kaiser.  
Source: California Department of Finance, OSHPD Hospital Utilization database.

# Sierra County Specific Trends

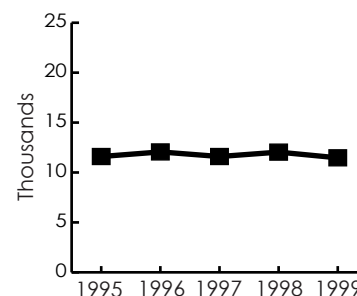
## California

**Patient Days  
per 1,000 Population**

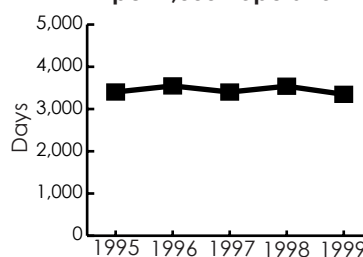


	Days	per 1,000 pop.
1995	11,605	3,403
1996	12,062	3,547
1997	11,608	3,402
1998	12,047	3,540
1999	11,475	3,348

**Patient Days**

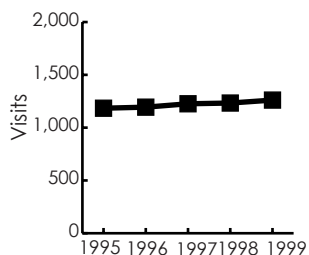


**Patient Days  
per 1,000 Population**



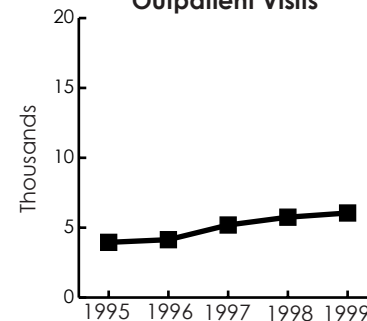
## Outpatient Visits

**Outpatient Visits  
per 1,000 Population**

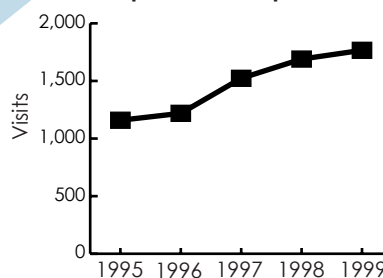


	Outpatient Visits	per 1,000 pop.
1995	3,951	1,159
1996	4,147	1,219
1997	5,195	1,523
1998	5,750	1,690
1999	6,053	1,766

**Outpatient Visits**



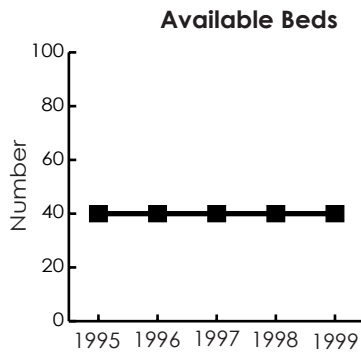
**Outpatient Visits  
per 1,000 Population**



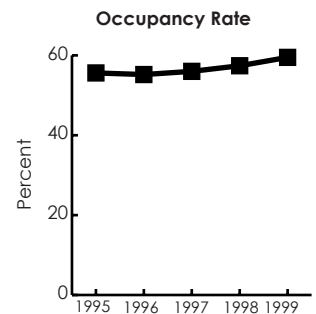
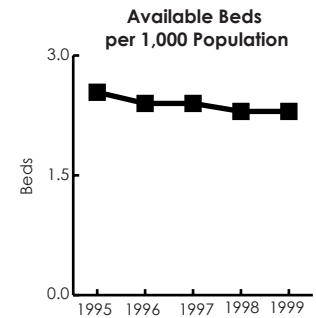
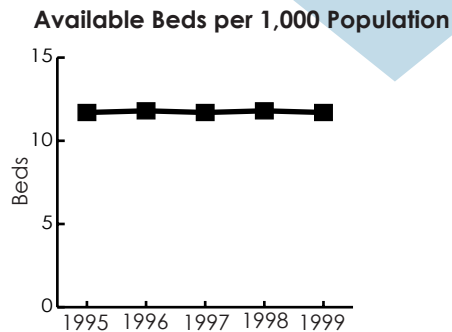
Graphs include data from comparable GAC hospitals plus Kaiser.  
Source: OSHPD Annual Hospital Financial Disclosure Reports.

## Available Beds

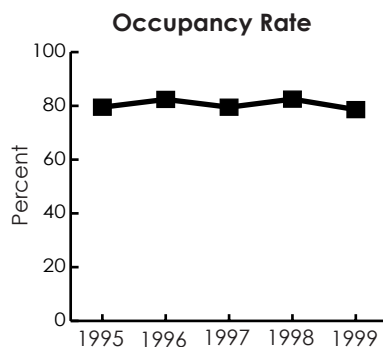
## California



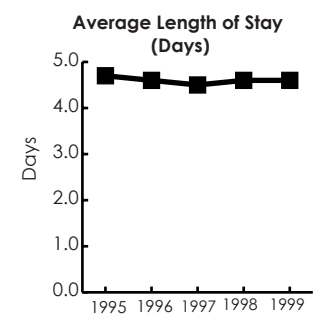
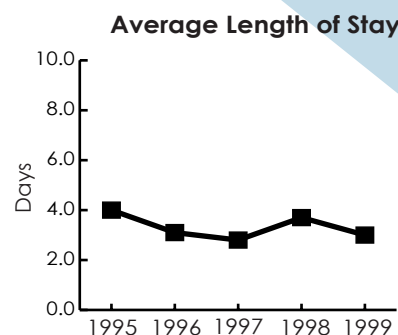
	Beds	per 1,000 pop.
1995	40	11.7
1996	40	11.8
1997	40	11.7
1998	40	11.8
1999	40	11.7



## Occupancy Rate



	Rate	Days
1995	79.5	11.7
1996	82.4	11.8
1997	79.5	11.7
1998	82.5	11.8
1999	78.6	11.7



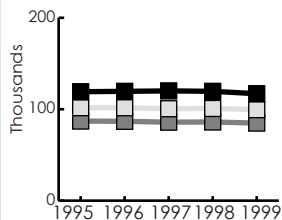


## California

# LONG-TERM CARE FACILITIES

## County Trends

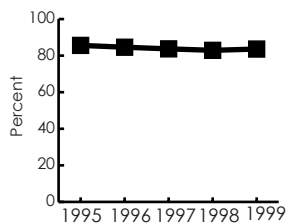
### Trends



■ Total LTC Beds  
 ■ Total LTC Residents  
 ■ Residents over 65

There were no long-term care facilities or services reported in Sierra County during 1995 - 1999.

### Occupancy Rate



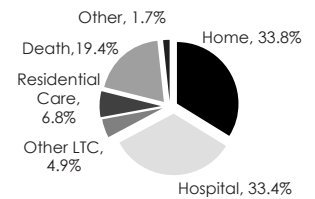
## Residents 1999

There were no long-term care facilities or services reported in Sierra County during 1995 - 1999.



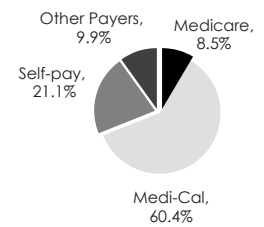
## California

### Discharged To 1999



## Financial Information

### California Payers, 1999



# Sierra County Healthcare Resources

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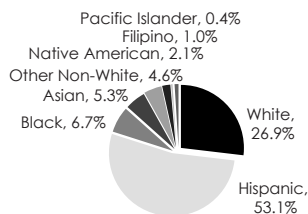
## Community clinics:

- tax-exempt nonprofit organizations
- charges are based on patients' ability to pay

## Free clinics:

- community clinics, where patients are not charged for services or medicines.

### California Clinic Patients Race/Ethnicity 1999

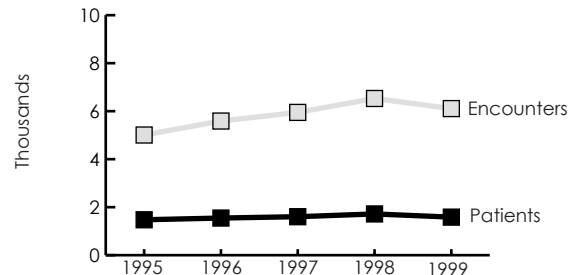


The Poverty Guidelines are issued by the Federal Department of Health and Human Services to estimate the number of persons/families in poverty for determining financial eligibility for Federal programs.

## PRIMARY CARE CLINICS

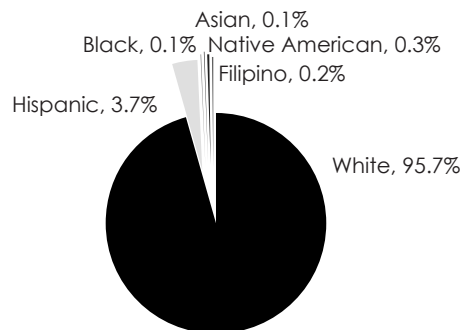
### County Trends

#### Patients & Encounters

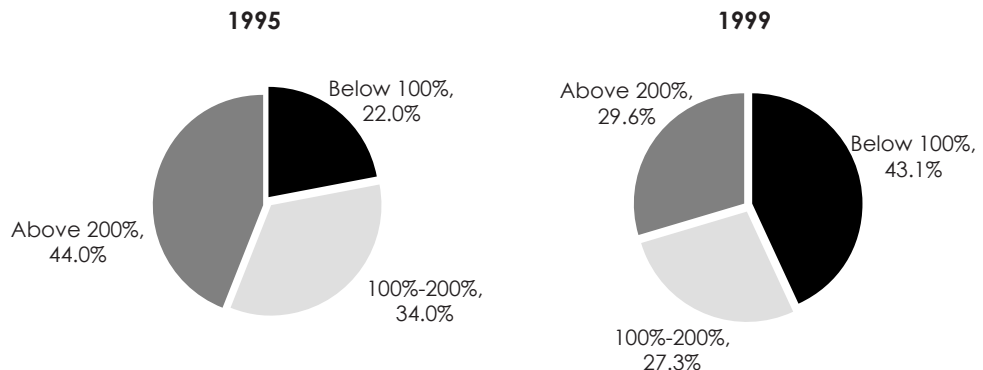


	1995	1996	1997	1998	1999
Patients	1,475	1,547	1,603	1,718	1,585
Encounters	5,007	5,589	5,949	6,529	6,108
# Community	1	1	1	1	1
# Free	0	0	0	0	0

### Race/Ethnicity 1999



### Economic Status (Based on Federal Poverty Levels)



Source: OSHPD Primary Care Clinic Utilization database.



HOME HEALTH AGENCIES

County Trends

There were no home health agencies services provided in Sierra County during 1994 - 1999.



Unduplicated patient: may have been seen more than once but is counted only once as a patient.

Patients  
1999

Discharged To  
1999

# Sierra County Healthcare Resources

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**Hospice:** palliative care to support a patient in the last phases of life due to the existence of a terminal disease.

## HOSPICES

### County Trends

There were no hospice services reported in Sierra County during 1994 - 1999.

### Patients 1999

### Conditions Requiring Hospice Care 1999



# HOSPITALIZATION CHARACTERISTICS

## **Inpatient Overview**

Trends

Demographics

Admits/Dispositions

## **Clinical Overview**

Types of Hospitalizations/Diagnosis

Types of Principal Procedures

Injuries/Types/Types by Age Group

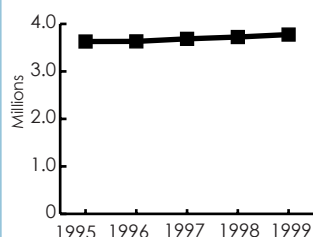
# Sierra County Hospitalization Characteristics

18



## California

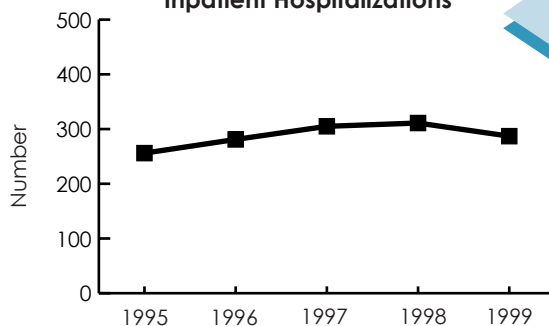
### Hospitalizations Trends



## INPATIENT OVERVIEW

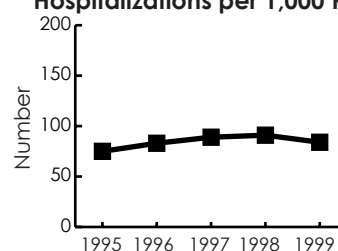
### County Trends

#### Inpatient Hospitalizations



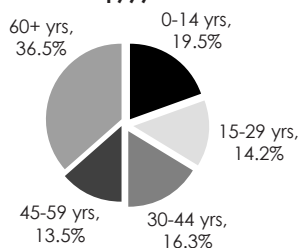
	Inpatients	per 1,000
1995	256	75
1996	281	83
1997	305	89
1998	311	91
1999	287	84

#### Hospitalizations per 1,000 Residents

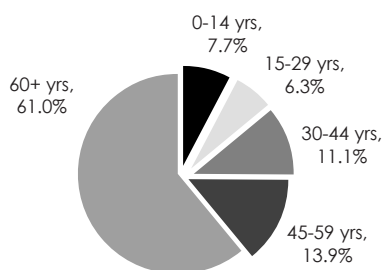


### Patients 1999

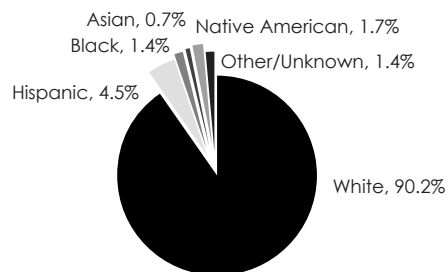
#### Age 1999



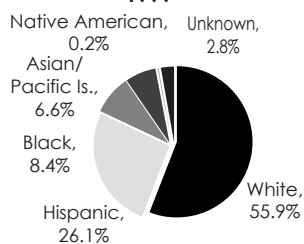
#### Age



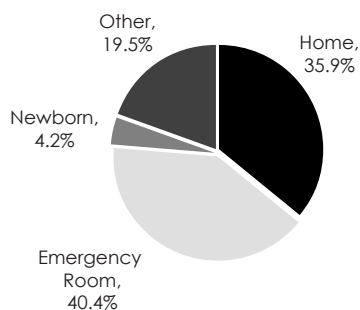
#### Race/Ethnicity



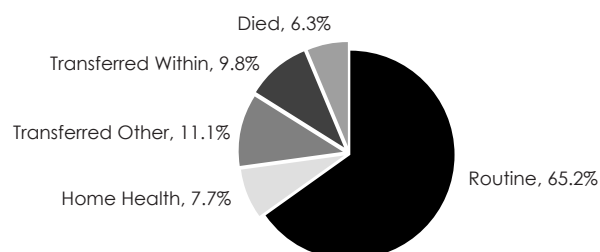
#### Race/Ethnicity 1999



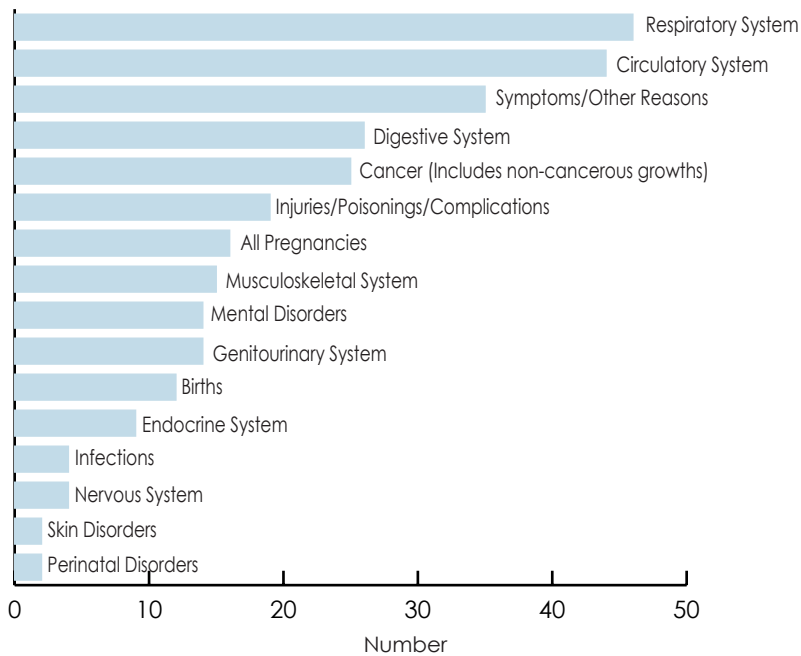
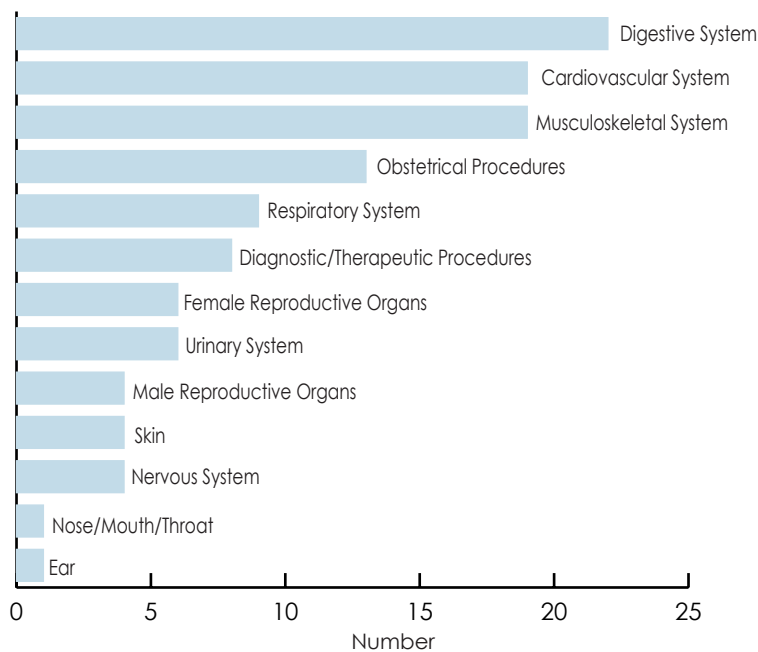
#### Admitted From



#### Discharged To



## CLINICAL OVERVIEW

Types of Principal Diagnoses  
1999Types of Principal Procedures  
1999

- Pregnancies/births account for 9.8% of hospital discharges in Sierra County, and 28.3% of hospital discharges statewide.

- Respiratory and circulatory system disorders, and symptoms/other reasons, account for the top three diagnostic categories of hospital discharges in Sierra County, excluding pregnancies and births.

- Obstetrical procedures account for 11.2% of inpatient principal procedures performed on Sierra County residents and 22.2% of inpatient principal procedures performed statewide.

- Principal procedures performed for digestive, cardiovascular, and musculoskeletal systems are the top three procedure categories for hospital discharges in Sierra County, excluding obstetrical and diagnostic/therapeutic procedures.

# Sierra County

## Hospitalization Characteristics

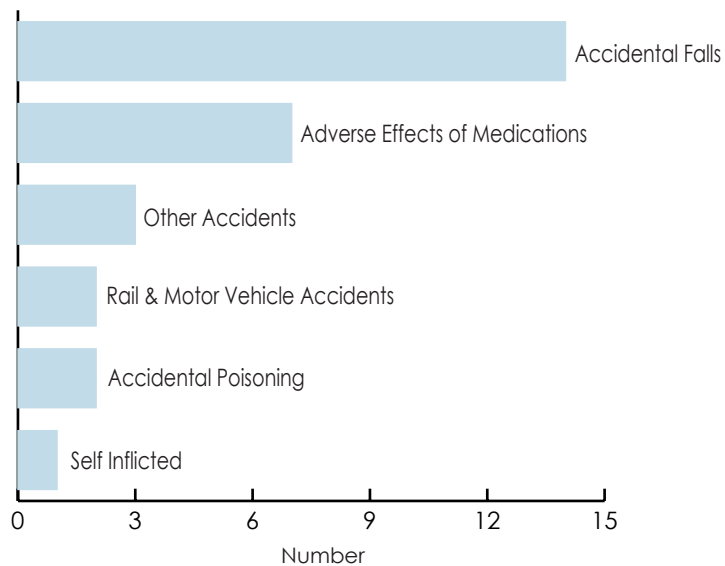
20



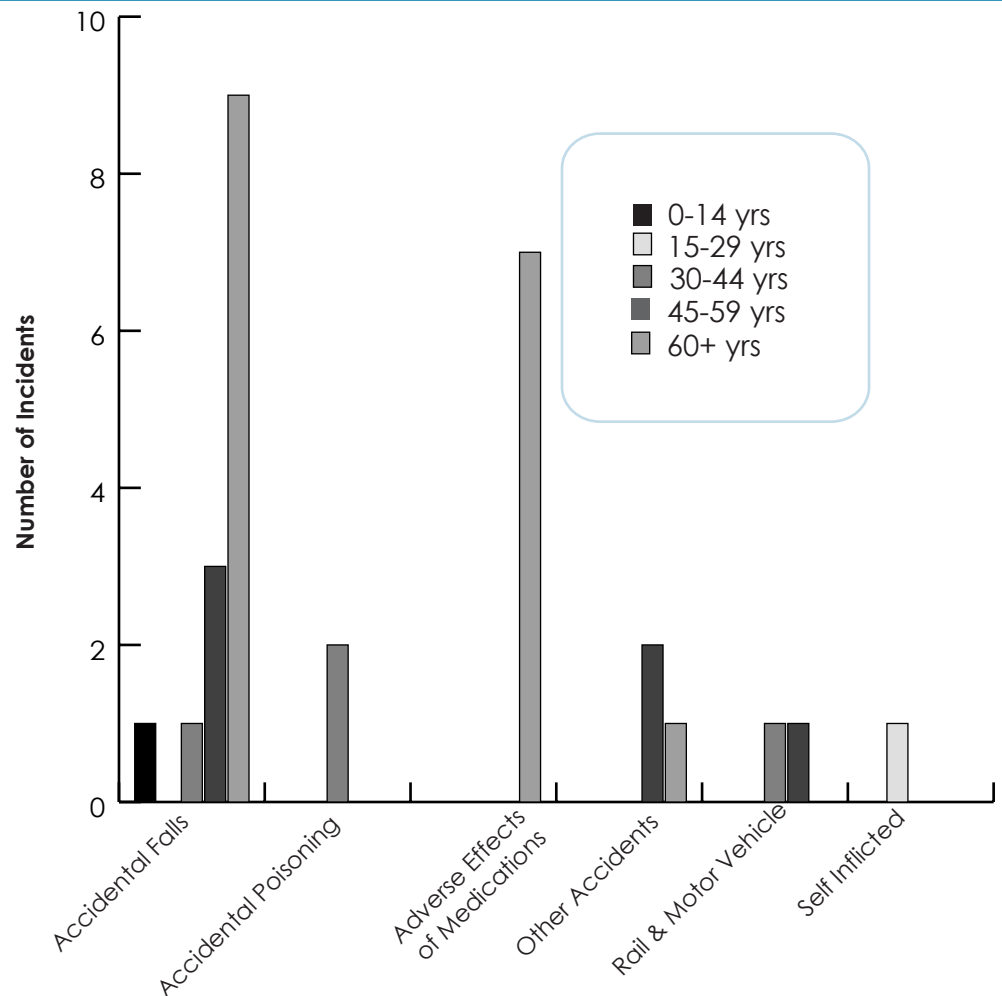
- Accidental falls, adverse effects of medications, and other accidents are the top three principal cause of injuries of Sierra County inpatients.

- In Sierra County, patients age 60 and over represent 64.3% of discharge records for accidental falls and 100% of discharge records for adverse effects of medications.

### Types of Injuries 1999



### Types of Injuries Age 1999





# S P E C I F I C T R E N D S

## **Selected Conditions**

Births & Deliveries

High-risk Deliveries

Asthma

Cancer

HIV

## **Selected Procedures**

Cardiac Bypass

Mastectomy

Prostatectomy

## **Selected Injuries**

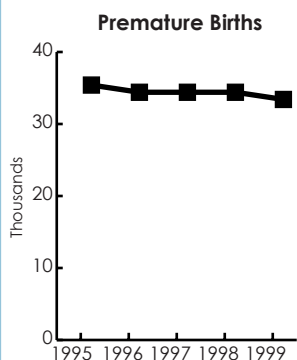
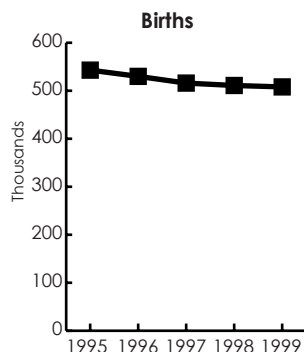
Auto Injuries

Drug Poisonings

Gunshot Injuries



## California



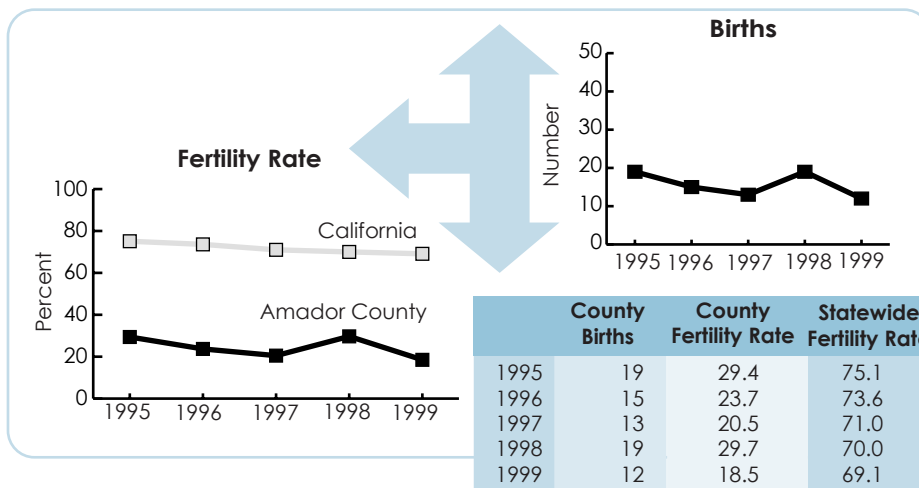
- Fertility rate is calculated by dividing the number of births by the population of females aged 15-44 years, and then dividing by 1,000.

- 26% of all births to California residents were premature.

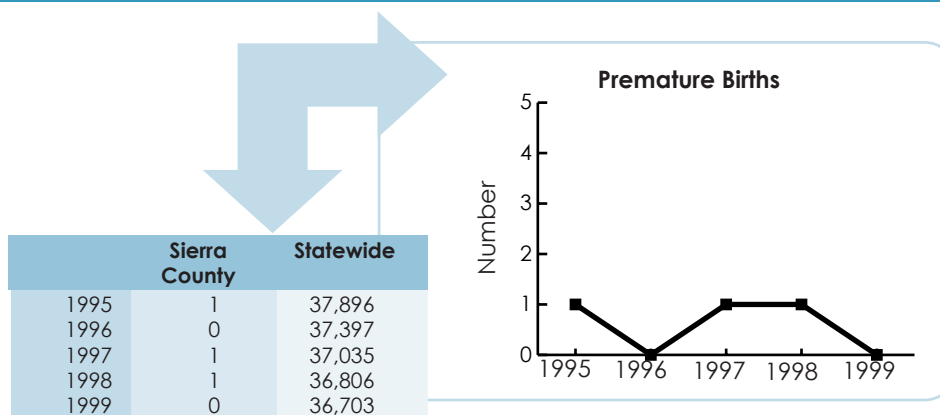
- Year 2010 National Health Objectives Goal: Cesarean section births to equal no more than 15.5% of total births.

## BIRTHS &amp; DELIVERIES

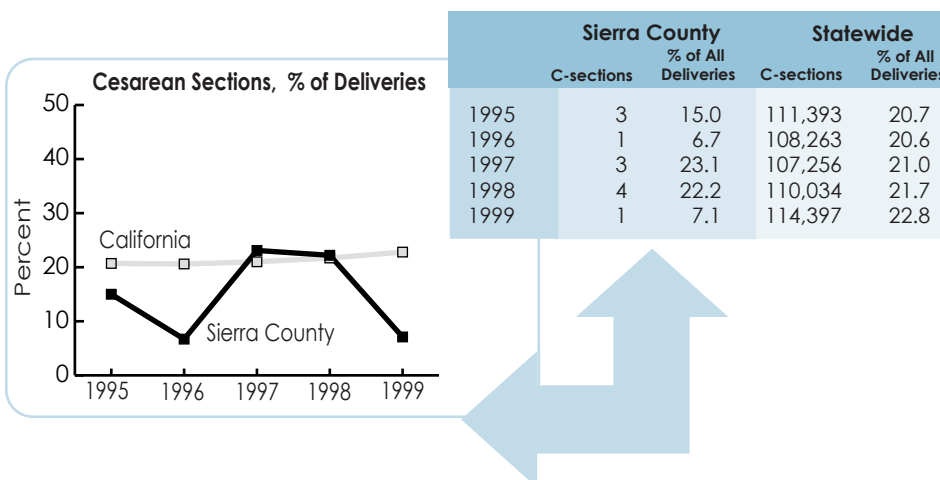
## County Trends



## Premature Births



## Cesarean Section Deliveries



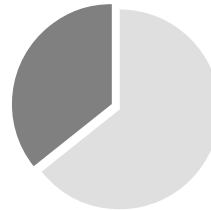


## County Trends

**All Deliveries:  
Mother's Age at Delivery, 1999**

	0-16 yrs		17-34 yrs		Over 35 yrs	
	Number	% of all births	Number	% of all births	Number	% of all births
1995	0	0.0	16	80.0	4	20.0
1996	0	0.0	11	73.3	4	26.7
1997	0	0.0	11	84.6	2	15.4
1998	0	0.0	14	77.8	4	22.2
1999	0	0.0	9	64.3	5	35.7

Over 35 yrs,  
35.7%



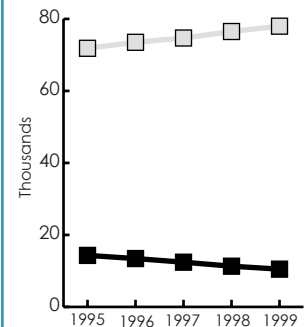
Ages 17-34 yrs,  
64.3%



## California

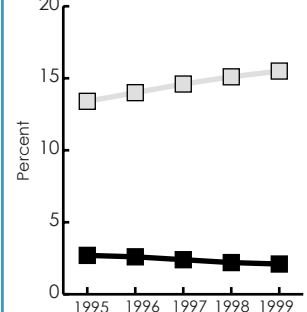
- Deliveries by females less than 16 years of age or greater than 35 years of age are considered "high risk."

**High Risk Deliveries**



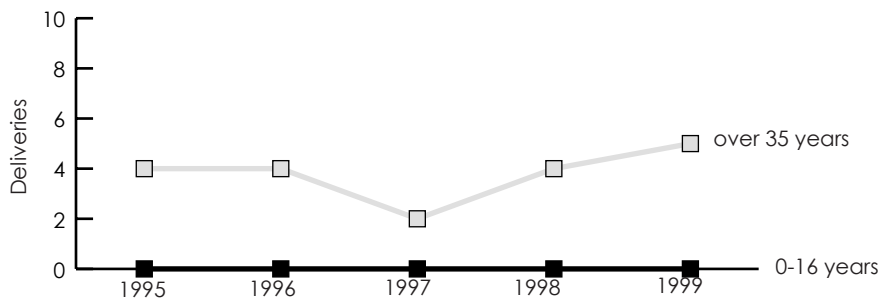
■ 0-16 yrs  
□ 35+ yrs

**High Risk Deliveries  
% of All Deliveries**

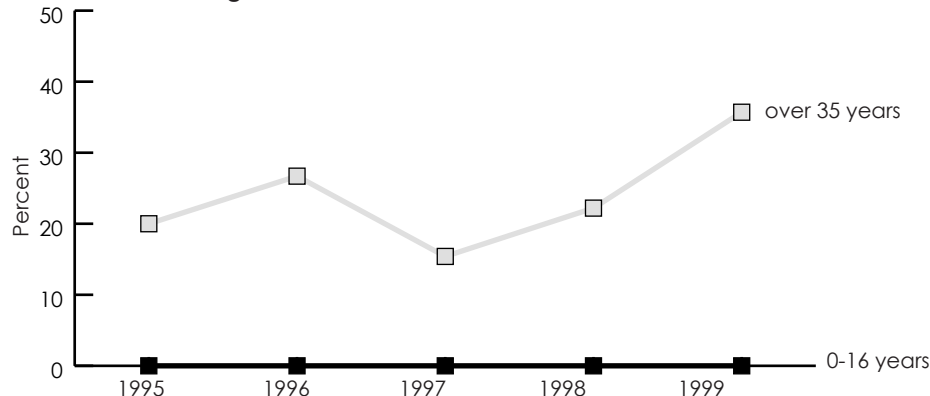


## High-risk Deliveries

**High-risk Deliveries**

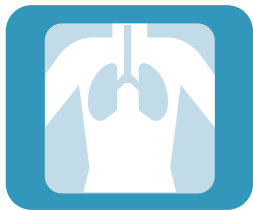


**High-risk Deliveries, % of All Deliveries**



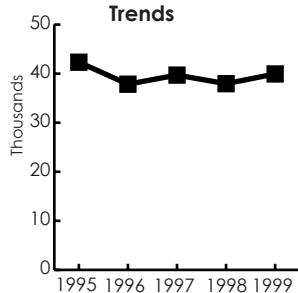
# Sierra County Specific Trends

24



## California

### Asthma Hospitalizations Trends



#### Age-adjusted Rate per 1,000 Pop.

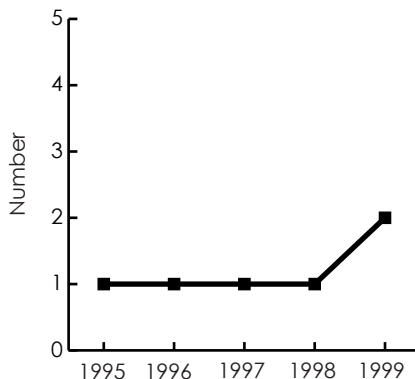
1995	1.30
1996	1.15
1997	1.18
1998	1.12
1999	1.16

## ASTHMA

(based on principal diagnosis)

### County Trends

#### Asthma Hospitalizations



#### Hospitalizations Sierra County

#### Age-adjusted Rate per 1,000 Pop.

1995	1	0.26
1996	1	0.19
1997	1	0.70
1998	1	0.18
1999	2	0.52

### Patients 1999

Percent of County Asthma Patients Compared to the Percent of Total County Population for Each Group

#### Gender

#### Race/Ethnicity

#### Age

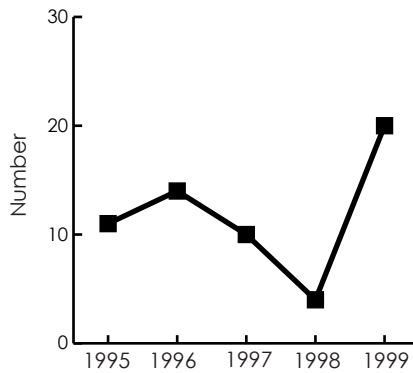
Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.

## CANCER

(based on principal diagnosis)

## County Trends

## Cancer Hospitalizations



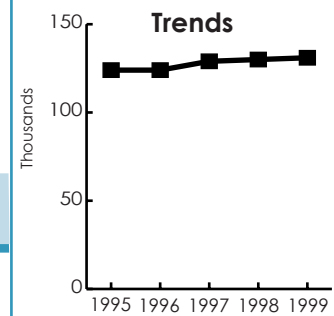
	Hospitalizations Sierra County	Age-adjusted Rate per 1,000 Pop.
1995	11	2.72
1996	14	3.04
1997	10	1.97
1998	4	0.79
1999	20	4.18

	Hospitalizations Sierra County	Age-adjusted Rate per 1,000 Pop.
1995	11	2.72
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## California

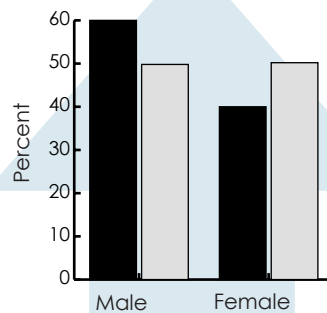
## Cancer Hospitalizations Trends



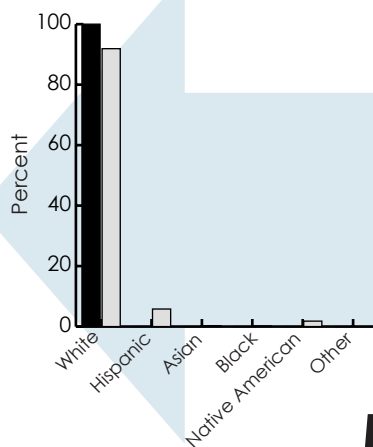
	Age-adjusted Rate per 1,000 Pop.
1995	4.44
1996	4.36
1997	4.43
1998	4.37
1999	4.30

	Age-adjusted Rate per 1,000 Pop.
1995	4.44
1996	4.36
1997	4.43
1998	4.37
1999	4.30

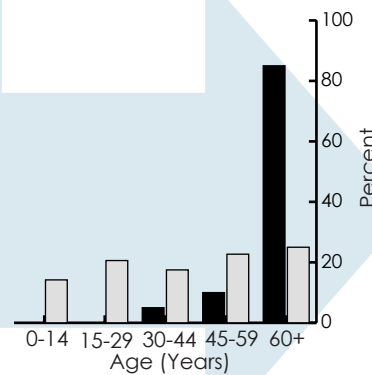
## Gender



## Race/Ethnicity



## Age



■ % of Cancer Patients  
□ % of County Residents

# Sierra County Specific Trends

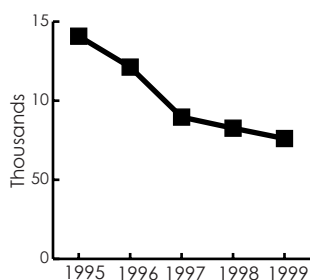
26



## California

### HIV Hospitalizations

#### Trends



#### Age-adjusted Rate per 1,000 Pop.

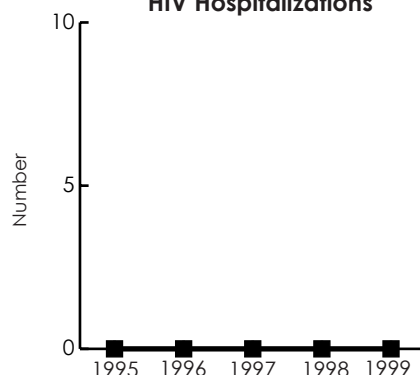
1995	0.43
1996	0.37
1997	0.27
1998	0.25
1999	0.22

## HIV

(based on principal diagnosis)

### County Trends

#### HIV Hospitalizations



#### Hospitalizations Sierra County

#### Age-adjusted Rate per 1,000 Pop.

1995	0	0.0
1996	0	0.0
1997	0	0.0
1998	0	0.0
1999	0	0.0

### Patients 1999

Percent of County HIV Patients Compared to the Percent of Total  
County Population for Each Group

#### Gender

#### Race/Ethnicity

#### Age

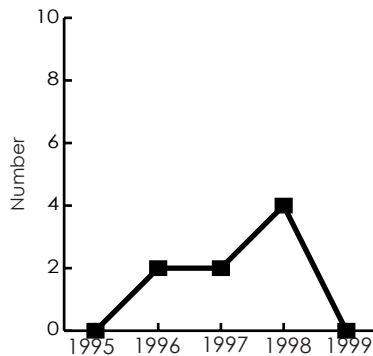
There were no HIV related discharges reported  
for Sierra County during 1995 - 1999.

## CARDIAC BYPASS

(based on principal procedure)

## County Trends

## Cardiac Bypass Hospitalizations

Hospitalizations  
Sierra CountyAge-adjusted Rate  
per 1,000 Pop.

1995	0	0.00
1996	2	0.38
1997	2	0.37
1998	4	0.95
1999	0	0.00

Patients  
1999

Percent of County Cardiac Bypass Patients Compared to the Percent of Total County Population for Each Group

## Gender

## Race/Ethnicity

## Age

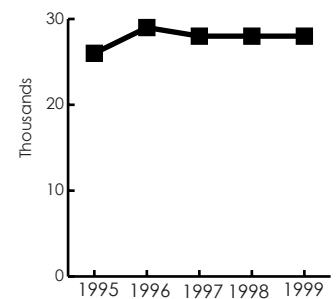
There were no cardiac bypass procedures performed in Sierra County in 1999.



## California

Cardiac Bypass  
Hospitalizations

## Trends

Statewide  
Age-adjusted Rate  
per 1,000 Pop.

1995	0.97
1996	1.03
1997	0.99
1998	0.96
1999	0.93

# Sierra County

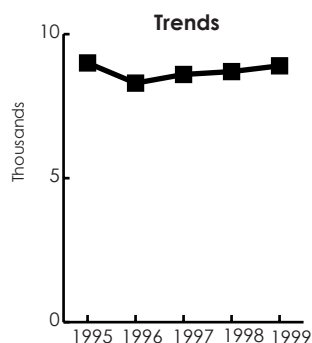
## Specific Trends

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### California

#### Mastectomy Hospitalizations



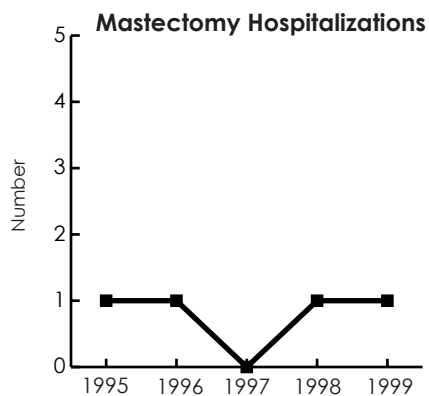
#### Age-adjusted Rate per 1,000 Pop.

1995	0.32
1996	0.29
1997	0.29
1998	0.29
1999	0.29

## MASTECTOMY

(based on principal procedure)

### County Trends



#### Hospitalizations Sierra County

#### Age-adjusted Rate per 1,000 Pop.

1995	1	0.26
1996	1	0.25
1997	0	0.00
1998	1	0.18
1999	1	0.23

### Patients 1999

Percent of County Mastectomy Patients Compared to the Percent of Total County Population for Each Group

Race/Ethnicity

Age

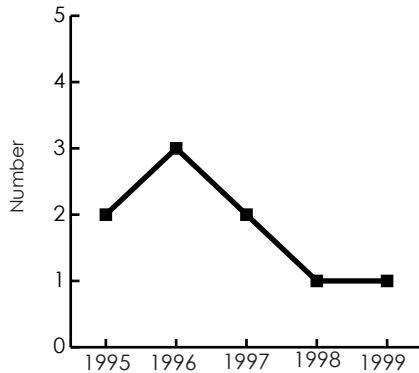
Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.

# PROSTATECTOMY

(based on principal procedure)

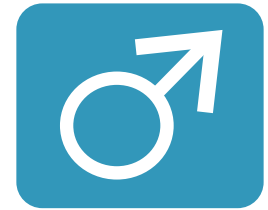
## County Trends

Prostatectomy Hospitalizations



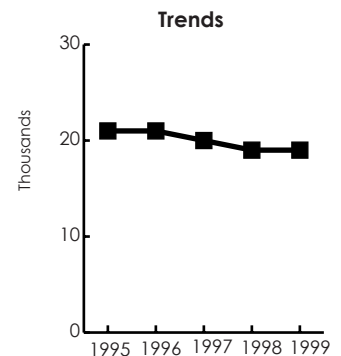
Hospitalizations  
Sierra County

	Hospitalizations Sierra County	Age-adjusted Rate per 1,000 Pop.
1995	2	0.39
1996	3	0.57
1997	2	0.37
1998	1	0.18
1999	1	0.23



## California

Prostatectomy  
Hospitalizations



## Patients 1999

Percent of County Prostatectomy Patients Compared to the Percent  
of Total County Population for Each Group

Race/Ethnicity

Age

Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.

■ % of Prostatectomy Patients  
□ % of County Residents

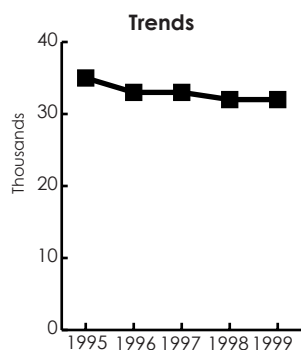
Age-adjusted Rate  
per 1,000 Pop.

1995	0.79
1996	0.75
1997	0.72
1998	0.67
1999	0.65



## California

### Auto Injury Hospitalizations Trends



### Age-adjusted Rate per 1,000 Pop.

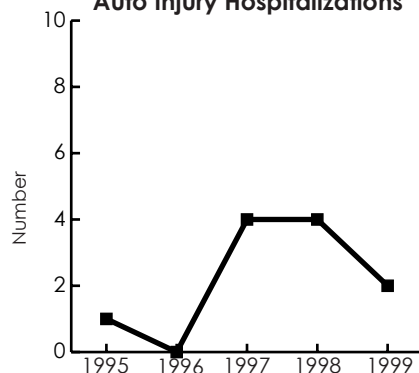
1995	1.08
1996	1.04
1997	1.01
1998	0.98
1999	0.97

## AUTO INJURY

(based on first event causing hospitalization)

### County Trends

#### Auto Injury Hospitalizations



### Hospitalizations Sierra County Age-adjusted Rate per 1,000 Pop.

1995	1	0.34
1996	0	0.00
1997	4	1.12
1998	4	0.58
1999	2	0.57

### Patients 1999

Percent of County Auto Injury Patients Compared to the Percent of Total County Population for Each Group

#### Gender

#### Race/Ethnicity

#### Age

Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.

■ % of Auto Accident Patients  
□ % of County Residents

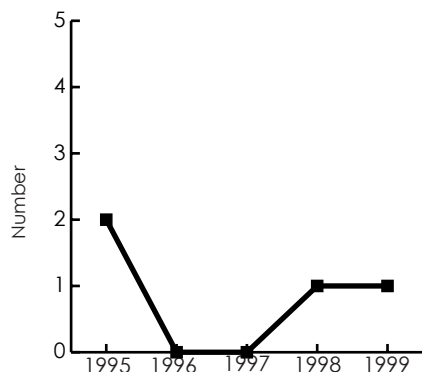


## DRUG POISONING

(based on first event causing hospitalization)

### County Trends

#### Drug Poisoning Hospitalizations



	Hospitalizations Sierra County	Age-adjusted Rate per 1,000 Pop.
1995	2	0.61
1996	0	0.00
1997	0	0.00
1998	1	0.24
1999	1	0.33

### Patients 1999

Percent of County Drug Poisoning Patients Compared to the Percent of Total County Population for Each Group

#### Gender

#### Race/Ethnicity

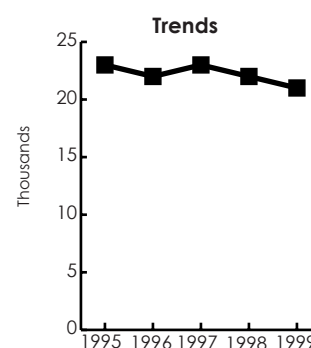
#### Age

Due to the confidential nature of medical information specific gender, race/ethnicity, and age statistics will not be displayed for this county on patient counts of less than five.



### California

#### Drug Poisoning Hospitalizations



#### Age-adjusted Rate per 1,000 Pop.

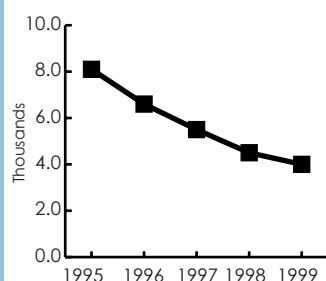
1995	0.72
1996	0.71
1997	0.70
1998	0.66
1999	0.64



## California

### Gunshot Injury Hospitalizations

#### Trends



#### Age-adjusted Rate per 1,000 Pop.

1995	0.24
1996	0.20
1997	0.16
1998	0.13
1999	0.12

## GUNSHOT INJURIES

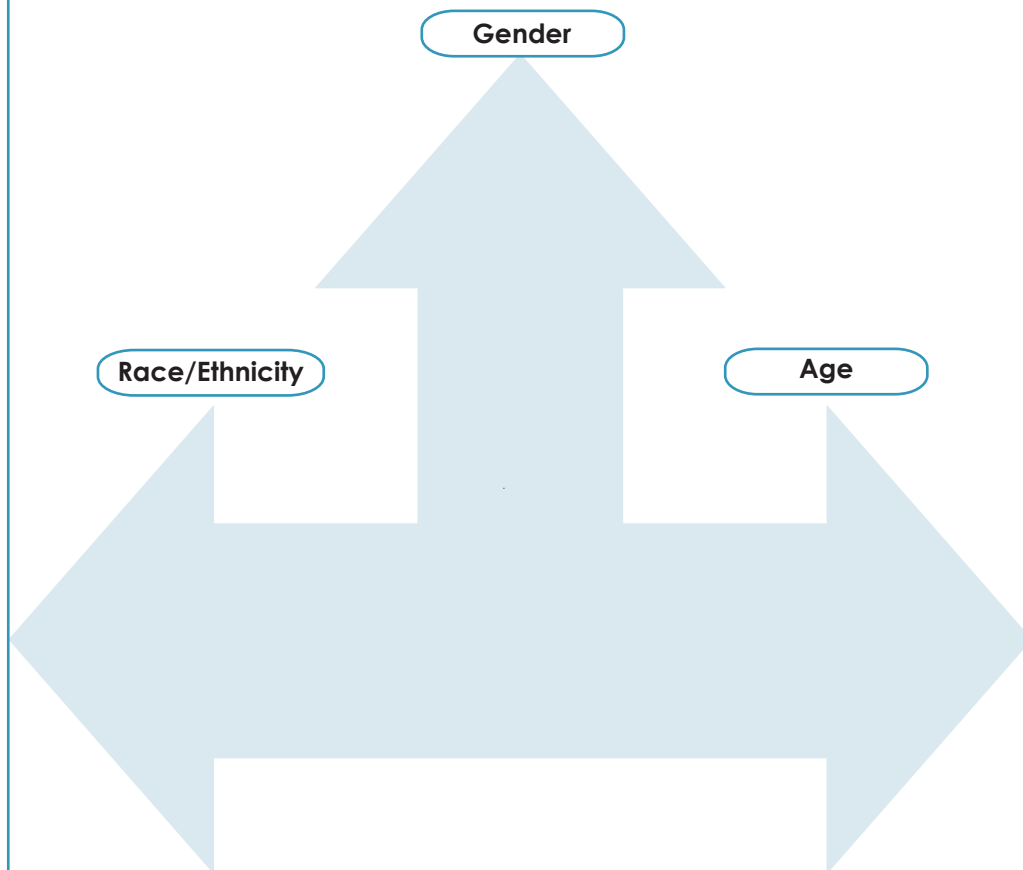
(based on first event causing hospitalization)

### County Trends

There were no gunshot injury hospitalizations in Sierra County during 1995 - 1999.

### Patients 1999

Percent of County Gunshot Injury Patients Compared to the Percent of Total County Population for Each Group





For more information please contact...

## **Healthcare Quality and Analysis Division**

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Sacramento, CA 95814

**(916)322-2814**

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